

The Council for Tobacco Research-USA, Inc.
Grant No. 3434

**Cold Spring Harbor Conference on
"The Cytoskeleton and Cell Function"
April 28 - May 2, 1993**

ARRANGED BY:

**David Helfman, Cold Spring Harbor Laboratory
Elizabeth Raff, Indiana University**

The 1993 meeting on The Cytoskeleton and Cell Function covered all aspects of the cytoskeleton, including actin filaments, intermediate filaments, and microtubules. Talks focused on the function of the cytoskeleton in various biological processes, including development and differentiation, pathological aspects of contractile and cytoskeletal systems, cell communication, intracellular trafficking and organelle movement, and cell shape and morphogenesis. The fundamental importance of the cytoskeleton in cellular functions rendered the subject of the conference of interest to investigators from a wide number of disciplines including cell biologists, biochemists, molecular biologists, and developmental biologists. A broad range of experimental systems were discussed including yeast, *Dictyostelium*, flies, and vertebrates. A major theme of the meeting was the increasing use in cell biology of multidisciplinary approaches including powerful genetic and molecular tools. Another meeting on the cytoskeleton is scheduled for 1995.

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PROGRAM

Actin Filament Assembly and Dynamics
Chairperson: P. Matsudaira, Massachusetts Institute of Technology

Cell Movement
Chairperson: S. Zigmond, University of Pennsylvania

Microtubule Assembly and Dynamics
Chairperson: D. Cleveland, Johns Hopkins University

Cell Division
Chairperson: R. McIntosh, University of Colorado

Intermediate Filaments
Chairperson: E. Fuchs, University of Chicago

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Molecular Motors: Intracellular
Chairperson: M. Mooseker, Yale University

Signal Transduction: Membrane-cytoskeleton Interactions
Chairperson: B. Geiger, Weizmann Institute

The Role of the Cytoskeleton in Development and Differentiation
Chairperson: E. Raff, Indiana University

Closing Remarks: David Helfman, Cold Spring Harbor Laboratory